

## Martin Tower Implosion May 19, 2019



## **Martin Tower Implosion Meeting Attendees**

**City of Bethlehem:** Mayor Robert Donchez

Emergency Management Director Robert Novatnack

Bethlehem Police Dept. Chief Mark Diluzio

Bethlehem Police Dept. Deputy Chief Scott Meixell

Bethlehem Fire Dept. Chief Warren Achey

Bethlehem Fire Dept. Deputy Chief/Fire Marshal Craig Baer

Bethlehem Chief Building Inspector Mike Simonson

Bethlehem Health Director Kristen Wenrich

**Department of Environmental Protection:**

Mark Wejkszner, Air Quality Program Manager, NE Region

Andy Schweitzer, Air Quality Operations Chief, NE Region

Gary Latsha, Bureau of District Mining Operations

Ross Klock, Bureau of District Mining Operations

**Controlled Demolition Inc.:**

Jim Santoro

Adrienne Grant

**L&M Abatement, Inc.:**

Ron Lutz

**Property Owners/Developers:**

Duane Wagner, HRP Management, LLC

# Demolition Exclusion Zone



Martin Tower



Exclusion Zone

Exclusion Zone: General  
Public WILL NOT be  
permitted



Lowes



Recycling Center



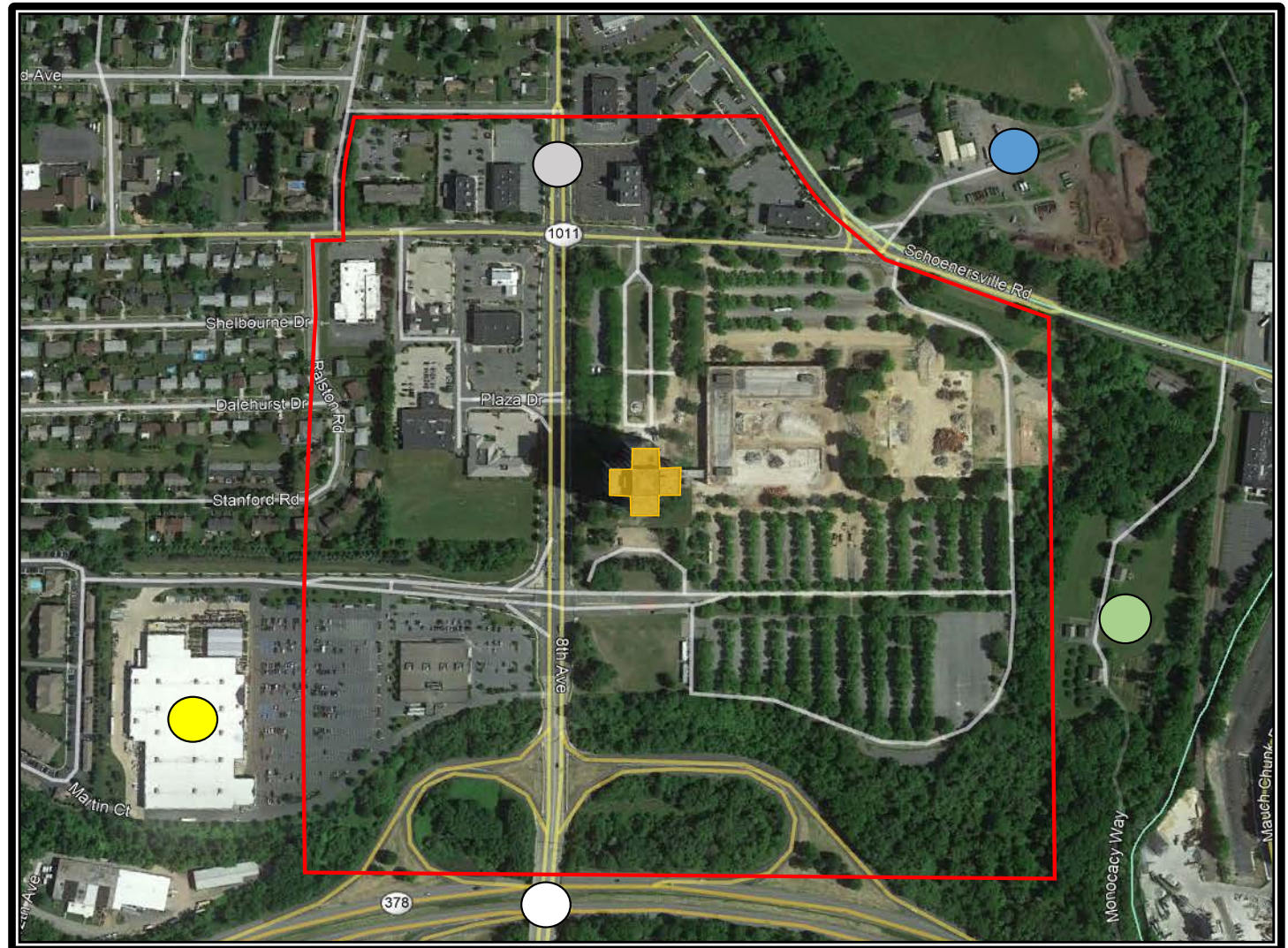
Lehigh County  
Command Post



Northampton  
County Command  
Post



Burnside





# Inside Martin Tower

- All asbestos has been abated and other regulated materials removed prior to demolition as required by law.
- Non-load bearing walls, pipe, equipment, elevator cars and rails demolished and removed.
- Rails and fall protection placed over open areas/shafts per OSHA regulations.



# Steel Structure Prepared for Implosion



# Tower Floors Prepared For Implosion

- Floors 1, 3, 7, 13 and 17 have been prepared for implosion by cutting exterior skin of building and select structural modifications.
- A curtain of chain link fence and geotextile fabric will be installed around the interior perimeter of blast floors to assist in containing material displaced during the implosion.





# Martin Tower - Anticipated Fall Area

## Anticipated Fall Area

A majority of the structure will fall within the anticipated fall area.



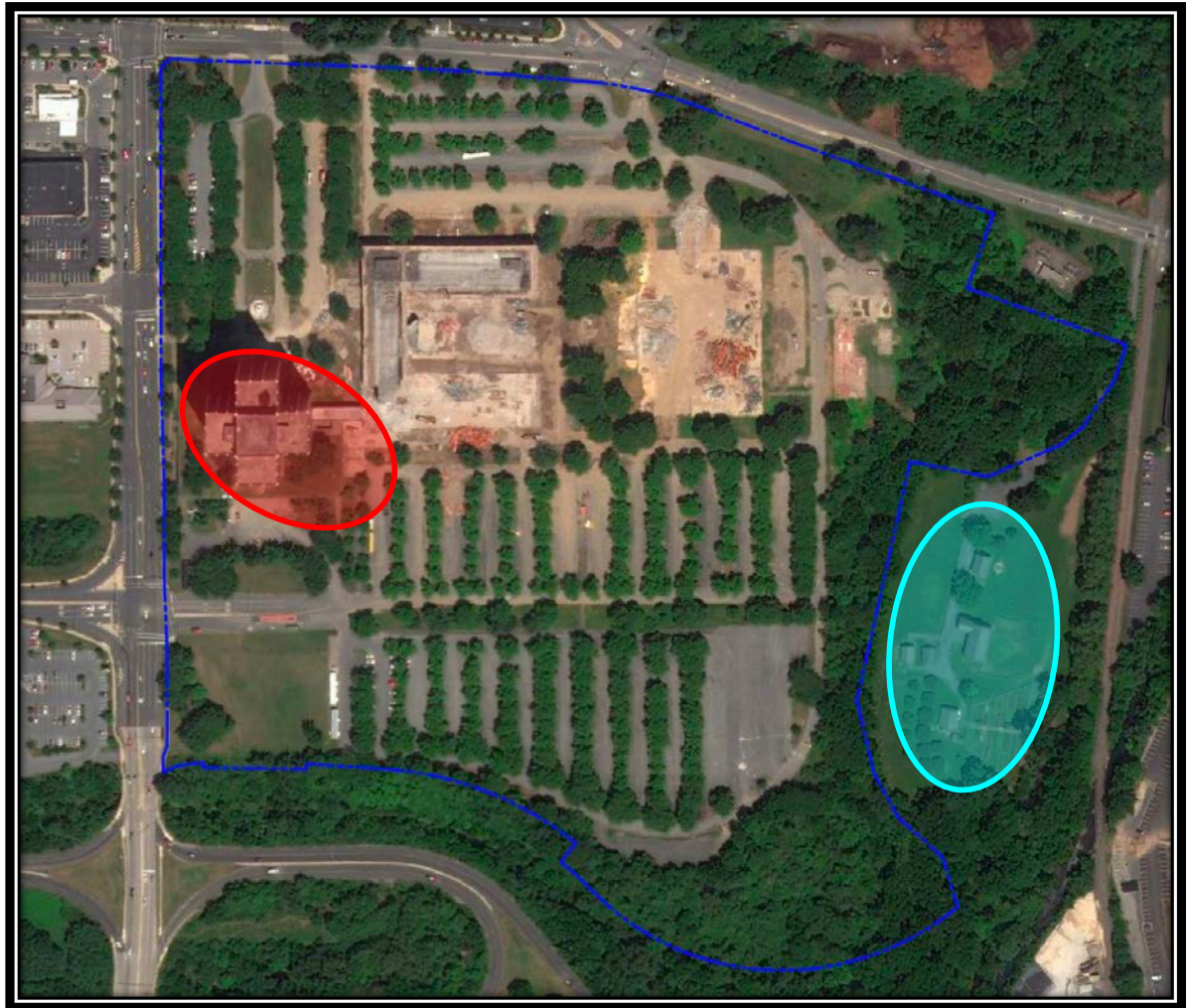
**Anticipated Fall Area**



**Property Line**



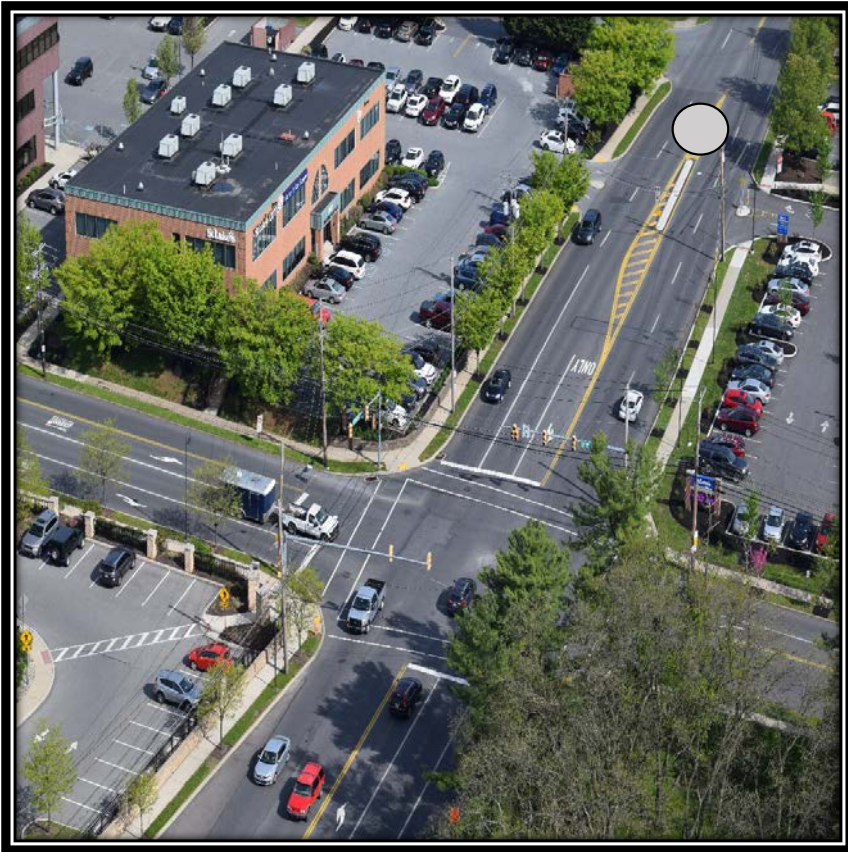
**Distance to Burnside Structures:  
Approx. 1,200 ft.**





# Northampton and Lehigh County Command Posts

8<sup>th</sup> Ave North, NH County Post



8<sup>th</sup> Ave South, Lehigh County Post





# Road Closure Timeline

- 5:00am Bethlehem Police will close Eighth Avenue from Union Boulevard to Bradford Street.
- 5:00am Bethlehem Police will close Eaton Avenue from Elizabeth Avenue to Ralston Road.
- 5:00am Bethlehem Police will close Route 378 North and South Exit Ramps at Eighth Avenue.
- 6:00am the Exclusion Zone surrounding the site will be closed to the public.
- 6:30am Bethlehem Police will begin closing Route 378 from Catasauqua Road to the Main Street Ramp.
- 7:00am approximately, as safety and preparations permit, Martin Tower will be demolished by implosion.
- 7:10am an assessment will be made by members of the project team to determine clean up activities prior to opening any roadways. Any unaffected roadways will be reopened after inspection by Bethlehem Police Department.
- It is estimated that by mid-morning all public rights of way will be open and the exclusion zone lifted.

# Martin Tower Implosion Detour Plan

South Bound State Rt. 378

Catasauqua Rd ►

Pennsylvania Ave ►

Broad St ►

3<sup>rd</sup> Ave ►

south bound State Rt. 378

North Bound State Rt. 378

Main St Ramp ►

Market St ►

Center St ►

US 22





# Implosion Dust

- Dust is an unpreventable byproduct of all types of demolition. Close all doors, windows, air intakes, cover openings, turn off all exhaust fans before or at the time of the implosion.
- Bethlehem Police Department and contractors need cooperation to ensure public safety and minimize inconvenience.
- Please stay indoors if you have any respiratory conditions aggravated by dust.
- Prior to implosion a pre-demolition survey will be taken to document pre-existing condition of adjacent structures. Noise/Vibration monitoring will take place prior and during implosion activities. A follow-up post implosion survey will be taken following demolition.

Direct questions to: City of Bethlehem Emergency  
Management Office, 10 E. Church St  
610-865-7161

## YOUR ATTENTION PLEASE

HRP MANAGEMENT, LLC (Owner), L&M, INC., (General Contractor), and Controlled Demolition, Inc. ("CDI" - Implosion Subcontractor) would like you to be aware that on SUNDAY, the 19TH OF MAY 2019 at approximately 7:00 AM as safety and preparations permit, the MARTIN TOWER BUILDING will be demolished by implosion to an elevation where L&M, INC. can safely access the debris for secondary demolition and processing.

Implosion is a process where a small amount of explosives is used to disrupt selected supports in a building. This allows gravity to pull the structure down in a controlled manner. CDI has used this implosion method thousands of times around the world during the past 65 years to assist Property Owners and Contractors in the removal of unwanted structures.

There are four (4) points we would like to make you aware of:

1. Dust is an unpreventable byproduct of all types of demolition. With a wrecking ball or high-reach excavator, the building is slowly broken up releasing dust over a lengthy period of time. With implosion, the same overall quantity of dust is released in a matter of seconds, and may linger in the general area for 4 to 6 minutes before L&M crews begin cleanup of same from streets and sidewalks. Depending on wind speed and direction on the day of the implosion, the dust may or may not reach your properties. As a precautionary measure, we recommend that you see that all windows, doors and air intakes are closed, and cover any other openings that might allow dust to enter your apartment, house or building. We also recommend that you turn off all exhaust fans before or at the time of the implosion as these might draw air in to your building through cracks in walls and windows.
2. Early SUNDAY morning, the Bethlehem Police Department will set up a Exclusion Zone around the buildings. This is to prevent people from getting too close. Your property is INSIDE this Exclusion Zone. We need your cooperation with the Police and contractors to make sure that this is a safe job. Everything they say to you or ask of you is to minimize inconvenience or to promote safety.
3. There will be heavy dust in the block immediately surrounding the demolition site. Dust may also drift outside and downwind of the Exclusion Zone, depending on weather conditions. If you find dust uncomfortable or irritating, or if you have any respiratory conditions that would be aggravated by dust, please stay indoors during the demolition.
4. More than 100 years of vibration/noise monitoring data assembled by the US Bureau of Mines established guidelines for safe vibration and noise levels around blasting sites.

For several days prior to the implosion, a pre-demolition photographic survey will be made to document the pre-existing condition of adjacent structures and properties in accordance with State Law. Noise and vibration monitoring instruments will be set up around the demolition site to monitor actual levels of same generated by the implosion/fall of the MARTIN TOWER structure.

A follow-up post-implosion survey will be made the morning of the implosion to determine whether or not any changes have taken place in the structures previously inspected, as a result of the implosion. The vibration and pre/post-survey reports go to the State of Pennsylvania to protect the interests of all parties involved.

Should you have any questions, you should direct them to:

**CITY OF BETHLEHEM EMERGENCY MANAGEMENT OFFICE**  
**10 E. CHURCH STREET, BETHLEHEM, PA 18018 / 610-865-7161**  
**[www.martintowerbethlehem.com](http://www.martintowerbethlehem.com)**

# Important Contact Numbers

- Before Implosion Contact Phone: **610-865-7161**
- Post-Implosion Contact Phone: **610-440-3518**
- Post-Implosion Email: **[martintowerquestions@gmail.com](mailto:martintowerquestions@gmail.com)**

**Remember, the best place to view the implosion is from the comfort of your own home watching it on television.**

**Channel 69 will begin coverage at 6:00am.**



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